As an amateur radio operator living in an urban area, operating my station on the HF bands can be challenging enough. My fear is that the introduction of BPL/PLC and its resulting emissions could make my hobby impossible to pursue. I am furthermore alarmed at the privacy implications of radiating power lines. I do, however, understand that if properly implemented, BPL/PLC stands to bring a great deal of progress to the last-mile market, bringing new consumer choice and availability. With this in mind, then, I strongly advise these caveats to BPL/PLC implementation:

First and foremost, do not allow BPL/PLC to operate on the amateur bands. Other countries have notched out these bands, and I sincerely hope we can do the same here, on all of the HF amateur bands.

Secondly, I beg that the Comission strongly recommend DES, AES, or other NSA-approved encryption on BPL/PLC communications. Cable modem providers do this, so I can't imagine this being a great impediment.

BPL/PLC holds great promise, but unfortunately it also promises to end HF communication as we have known it since the beginning of the 20th century, in not only the amateur service, but also the military, maritime mobile, and other services that rely on HF. I also fear that any interference tests administered today will not remain accurate during a solar maximum.

Unlike other comments the Commission is likely to receive on the matter from users of the HF spectrum, I believe that there is promise in BPL/PLC, but I submit that any RF modulation should certainly not occur below 50MHz, as doing so would be simply disastrous for communications around the world.

Yours,
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